

## ABSTRACT

### NOx Monitor Using Differential Mobility Spectrometry

5           System for detection and analysis of gas samples in fieldable real-time  
Differential Mobility Spectrometry (DMS) chemical sensor system which uses non-  
radioactive ion source for monitoring and detecting NOx emissions; provides reliable  
methods for detecting and monitoring of anthropogenic sources of NOx; also detection  
of NO in exhaled breath for patient health diagnosis.

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